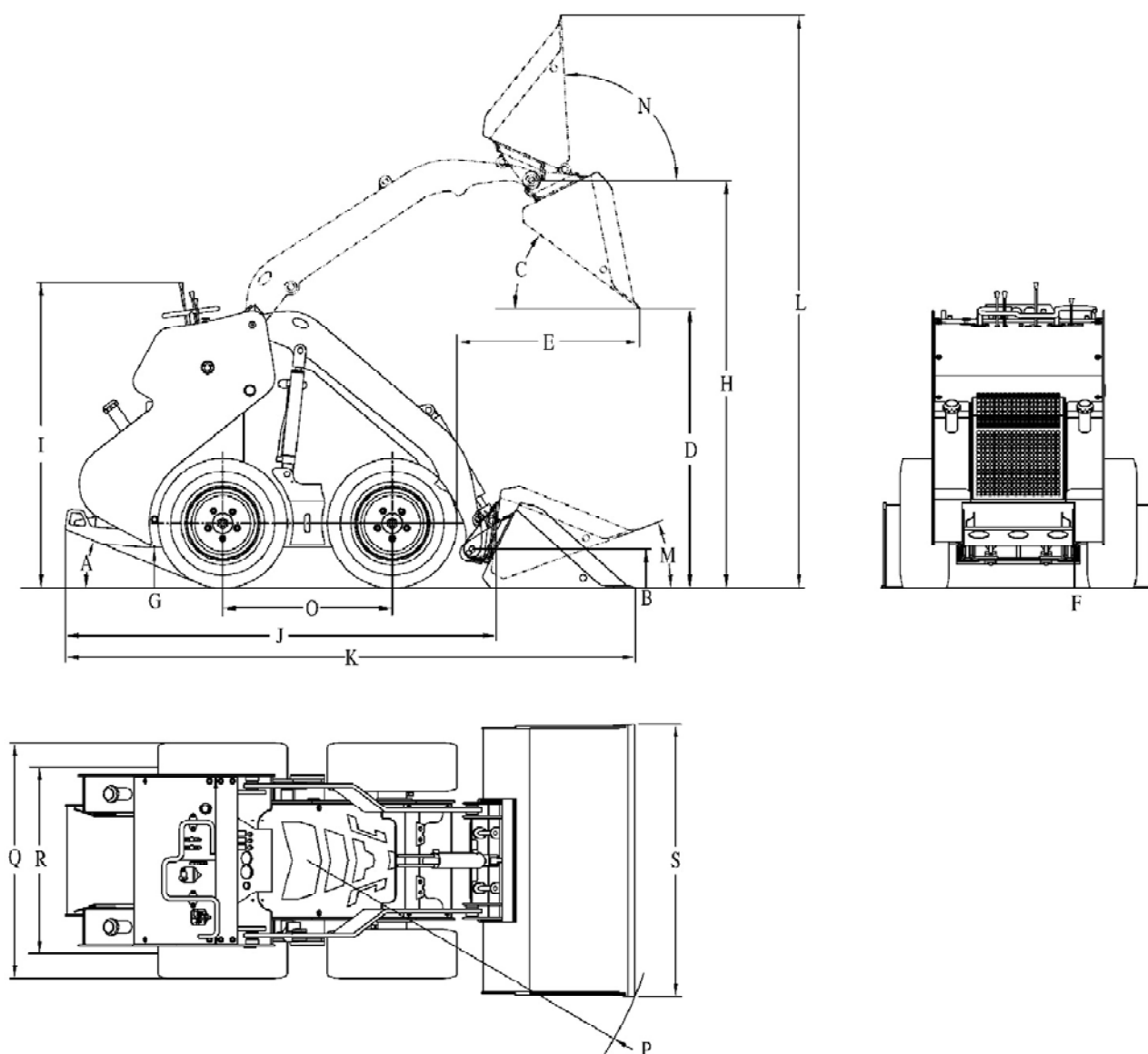


ML525W MINI SKID STEER LOADER SPECIFICATIONS

DIMENSIONS



A. Angle of Departure	19°	L. Operating Height	2631 mm
B. Carry Position	157 mm	M. Rollback @ carry Position.....	22°
C. Dump Angle @ Maximum Height	37°	N. Rollback Fully Raised	
D. Dump Height with Standard Bucket	1251 mm	@ Maximum Height.....	93°
E. Dump Reach @ Maximum Height	822 m	O. Wheel Base.....	775 mm
F. Ground Clearance	178 mm	P. Turning Radius with Standard Bucket	1659 mm
G. Ground Clearance-under platform	182 mm	Q. Width	
H. Height to Bucket Hinge Pin	1867 mm	23×8.5-12.....	1080 mm
I. Height	1358 mm	R. Wheel Tread	
J. Length without Attachment	1975 mm	23×8.5-12.....	856 mm
K. Length with Standard Bucket	2638 mm	S. Width with 49" Bucket	1250 mm

PERFORMANCE

Operating Capacity (35%)	262 kg
Operating Capacity (50%)	374 kg
Tipping Capacity.....	748 kg
Weight (no attachment)	935 kg
Travel Speed	10.8 km/h

ENGINE/ELECTRICAL

Make/Model	Kubota // D1105-E4B-CSR-1
Fuel/Cooling	Diesel/Liquid
Horsepower (SAE Gross)	18.2kW
Maximum Governed RPM	3000 RPM
Torque @ 2200 RPM (SAE Net)	71.5 Nm
Number of Cylinders	3
Displacement	1.1L
Bore/Stroke	78mm/78.4 mm
Fuel Consumption	6.1 L/h
Lubrication	Gear Pump Pressure
Crankcase Ventilation	Closed
Air Cleaner	Dry replaceable cartridge with safety element
Ignition	Diesel-Compression
Engine Coolant.....	Propylene glycol/water mix (53%-47%) with freeze protection to -37°C
Starting Aid	Glow plugs
Alternator	Belt Driven; 40 amps; Open
Battery	12 V; 45Ah
Starter	12 volt; Gear Reduction Type; 1.4 kW

HYDRAULIC SYSTEM

Pump Type	Engine driven, Two Gear type
Pump Capacity	53.4L/min @ 3000 RPM
System Relief @ Quick Couplers	210 Bar
Hydraulic Filter	Full flow replaceable, 10 micron synthetic media element
Hydraulic Cylinders	Double-acting
Main Control Valve	5-Spool, open center series parallel configuration
Attachment Control Valve.....	2-Spool, open center series parallel configuration
<i>Bore Diameter</i>	
Lift Cylinder (2)	45mm
Tilt Cylinder (1)	55mm

MATTSON ML525W Mini Skid Steer Loader

Rod Diameter

Lift Cylinder (2) 25 mm

Tilt Cylinder (1) 30 mm

Stroke

Lift Cylinder (2) 295 mm

Tilt Cylinder (1) 280mm

Hydraulic Function Times

Raise Lift Arms 3.5 Seconds

Lower Lift Arms 2.4 Seconds

Bucket Dump 2.5 Seconds

Bucket Rollback 1.8 Seconds

DRIVE SYSTEM

Main Drive Fully hydrolic,4-wheel drive

Transmission Direct drive of hydraulic motor to tires

Tires..... 23×8.5-12

CAPACITIES

Cooling System 5.2 L

Fuel Tank 35 L

Engine Oil with Filter 5.1L

Hydraulic Reservoir 34 L

Hydraulic System 40 L

CONTROLS

Vehicle Steering Direction and speed controlled by two handle

Lift & Tilt Controlled by one hand lever

Front Auxiliary (Std.) Controlled by one hand lever

Auxiliary Pressure Release .. Fore and aft movement of hand lever after engine has been shut off.

Engine Hand lever throttle: Key-type starter switch and shutdown

Starting Aid Glow Plugs – Activated by key switch

INSTRUMENTATION

The mini track loader conditions are monitored by a combination of gauges and warning lights in the operator's line of sight that monitor the following functions. The system shall alert the operator of monitored loader malfunctions by way of an visual warning lights.

Gauges

Hourmeter

Fuel

Warning Lights

Engine Oil Pressure

Engine Coolant Temperature

System Voltage